

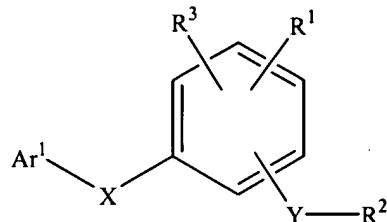
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1

Claim 1 (original): A compound having the formula:



2 wherein

3 Ar^1 is a substituted or unsubstituted aryl;

4 X is a divalent linkage selected from the group consisting of $(\text{C}_1\text{-}\text{C}_6)$ alkylene, $(\text{C}_1\text{-}\text{C}_6)$ alkylenoxy, $(\text{C}_1\text{-}\text{C}_6)$ alkylenamino, $(\text{C}_1\text{-}\text{C}_6)$ alkylene- $\text{S}(\text{O})_k$ -, - O -, - $\text{C}(\text{O})$ -, - $\text{N}(\text{R}^{11})$ -, - $\text{N}(\text{R}^{11})\text{C}(\text{O})$ -, - $\text{S}(\text{O})_k$ - and a single bond,

5 wherein

6 R^{11} is a member selected from the group consisting of hydrogen, $(\text{C}_1\text{-}\text{C}_8)$ alkyl,
7 $(\text{C}_2\text{-}\text{C}_8)$ heteroalkyl and aryl($\text{C}_1\text{-}\text{C}_4$)alkyl; and the subscript k is an integer of
8 from 0 to 2;

9 Y is a divalent linkage selected from the group consisting of alkylene, - O -, - $\text{C}(\text{O})$ -, -
10 $\text{N}(\text{R}^{12})$ - $\text{S}(\text{O})_m$ -, - $\text{N}(\text{R}^{12})$ - $\text{S}(\text{O})_m$ - $\text{N}(\text{R}^{13})$ -, - $\text{N}(\text{R}^{12})\text{C}(\text{O})$ -, - $\text{S}(\text{O})_n$ - and a single
11 bond,

12 wherein

13 R^{12} and R^{13} are members independently selected from the group consisting of
14 hydrogen, $(\text{C}_1\text{-}\text{C}_8)$ alkyl, $(\text{C}_2\text{-}\text{C}_8)$ heteroalkyl and aryl($\text{C}_1\text{-}\text{C}_4$)alkyl; and
15 the subscripts m and n are independently integers of from 0 to 2;

16 R^1 is a member selected from the group consisting of hydrogen, $(\text{C}_2\text{-}\text{C}_8)$ heteroalkyl,
17 aryl, aryl($\text{C}_1\text{-}\text{C}_4$)alkyl, halogen, cyano, nitro, $(\text{C}_1\text{-}\text{C}_8)$ alkyl, $(\text{C}_1\text{-}\text{C}_8)$ alkoxy, -
18 $\text{C}(\text{O})\text{R}^{14}$, - CO_2R^{14} , - $\text{C}(\text{O})\text{NR}^{15}\text{R}^{16}$, - $\text{S}(\text{O})_p\text{-R}^{14}$, - $\text{S}(\text{O})_q\text{-NR}^{15}\text{R}^{16}$, - $\text{O-C}(\text{O})$ -
19 OR^{17} , - $\text{O-C}(\text{O})\text{-R}^{17}$, - $\text{O-C}(\text{O})\text{-NR}^{15}\text{R}^{16}$, - $\text{N}(\text{R}^{14})\text{-C}(\text{O})\text{-NR}^{15}\text{R}^{16}$, - $\text{N}(\text{R}^{14})\text{-C}(\text{O})$ -
20 R^{17} and - $\text{N}(\text{R}^{14})\text{-C}(\text{O})\text{-OR}^{17}$;

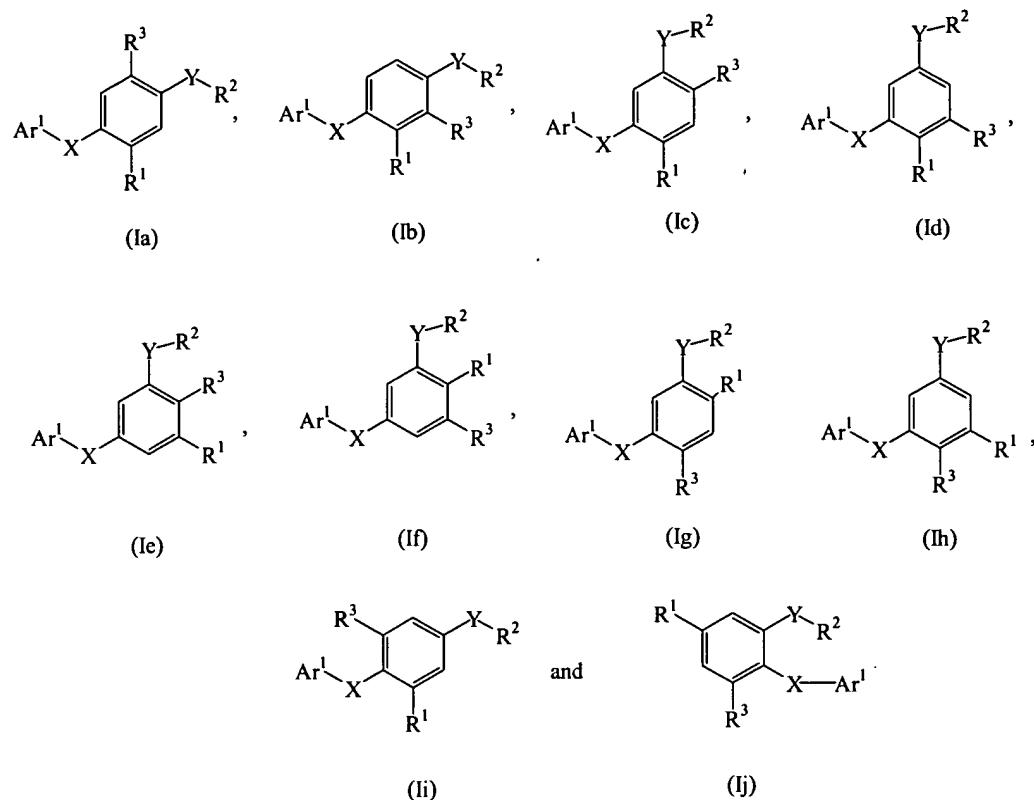
23 wherein

24 R¹⁴ is a member selected from the group consisting of hydrogen, (C₁-
25 C₈)alkyl, (C₂-C₈)heteroalkyl, aryl and aryl(C₁-C₄)alkyl;
26 R¹⁵ and R¹⁶ are members independently selected from the group consisting
27 of hydrogen, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl, aryl, and aryl(C₁-
28 C₄)alkyl, or taken together with the nitrogen to which each is
29 attached form a 5-, 6- or 7-membered ring;
30 R¹⁷ is a member selected from the group consisting of (C₁-C₈)alkyl, (C₂-
31 C₈)heteroalkyl, aryl and aryl(C₁-C₄)alkyl;
32 the subscript p is an integer of from 0 to 3; and
33 the subscript q is an integer of from 1 to 2; and
34 R² is a substituted or unsubstituted aryl; and
35 R³ is a member selected from the group consisting of halogen, cyano, nitro and (C₁-
36 C₈)alkoxy.

1 **Claim 2 (original):** A compound of claim 1, wherein Ar¹ is a substituted or
2 unsubstituted aryl selected from the group consisting of pyridyl, phenyl, naphthyl,
3 isoquinolinyl, benzthiazolyl, benzoxazolyl and benzimidazolyl; with the proviso that when
4 Ar¹ is substituted or unsubstituted benzthiazolyl, then X is -S(O)_k-; and R² is a substituted or
5 unsubstituted aryl selected from the group consisting of phenyl, pyridyl, naphthyl and
6 pyridazinyl.

1 **Claim 3 (original):** A compound of claim 2, wherein Ar¹ is a substituted or
2 unsubstituted phenyl group.

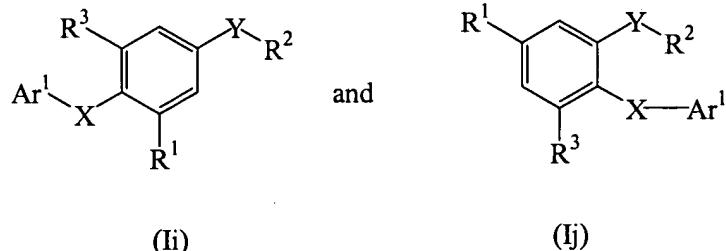
1 **Claim 4 (original):** A compound of claim 3, represented by a formula
2 selected from the group consisting of



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1 **Claim 5 (original):** A compound of claim 3, represented by a formula
2 selected from the group consisting of

3



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Claim 6 (original): A compound of claim 5, wherein

2 X is a divalent linkage selected from the group consisting of -CH₂-, -CH(CH₃)-, -O-,
3 -C(O)-, -N(R¹¹)- and -S-;
4 wherein
5 R¹¹ is a member selected from the group consisting of hydrogen and (C₁-
6 C₈)alkyl;

7 Y is a divalent linkage selected from the group consisting of -N(R¹²)-S(O)₂-,
8 wherein
9 R¹² is a member selected from the group consisting of hydrogen and (C₁-
10 C₈)alkyl;
11 R¹ is a member selected from the group consisting of hydrogen, halogen, (C₁-
12 C₈)alkyl, (C₂-C₈)heteroalkyl, (C₁-C₈)alkoxy, -C(O)R¹⁴, -CO₂R¹⁴,
13 -C(O)NR¹⁵R¹⁶, -S(O)_p-R¹⁴, -S(O)_q-NR¹⁵R¹⁶, -O-C(O)-R¹⁷, and -N(R¹⁴)-C(O)-
14 R¹⁷;
15 wherein
16 R¹⁴ is a member selected from the group consisting of hydrogen, (C₁-
17 C₈)alkyl, hetero(C₁-C₈)alkyl, aryl and aryl(C₁-C₄)alkyl;
18 R¹⁵ and R¹⁶ are members independently selected from the group consisting of
19 hydrogen, (C₁-C₈)alkyl and (C₂-C₈)heteroalkyl, or taken together with
20 the nitrogen to which each is attached form a 5-, 6- or 7-membered
21 ring;
22 R¹⁷ is a member selected from the group consisting of hydrogen, (C₁-C₈)alkyl
23 and (C₂-C₈)heteroalkyl;
24 the subscript p is an integer of from 0 to 2; and
25 the subscript q is 2; and
26 R² is a substituted or unsubstituted phenyl; and
27 R³ is a member selected from the group consisting of halogen and (C₁-C₈)alkoxy.

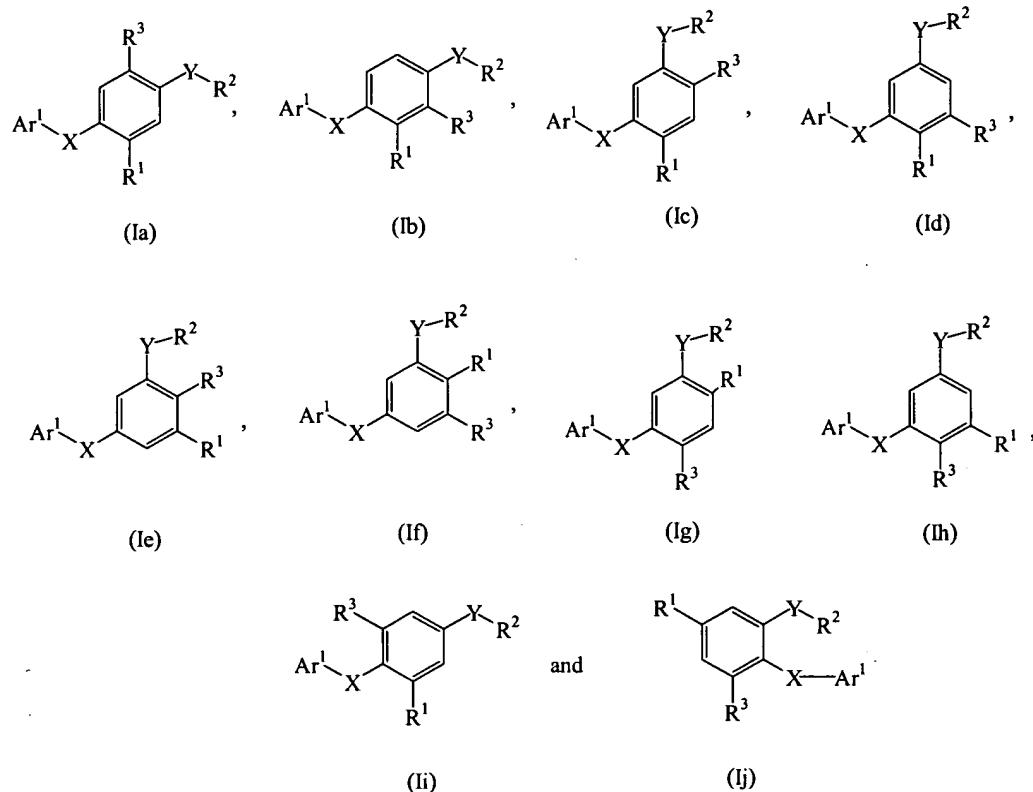
1 **Claim 7 (original):** A compound of claim 6, wherein X is -O-, -NH- or -
2 S-; Y is -NH-SO₂-; R¹ is a member selected from the group consisting of halogen, (C₁-
3 C₈)alkyl, (C₂-C₈)heteroalkyl, (C₁-C₈)alkoxy, -C(O)R¹⁴, -CO₂R¹⁴, -C(O)NR¹⁵R¹⁶, -S(O)_p-R¹⁴
4 and -S(O)_q-NR¹⁵R¹⁶; R² is a phenyl group having from 0 to 3 substituents selected from the
5 group consisting of halogen, -OCF₃, -OH, -O(C₁-C₈)alkyl, -C(O)-(C₁-C₈)alkyl, -CN, -CF₃,
6 (C₁-C₈)alkyl and -NH₂; and R³ is selected from the group consisting of halogen, methoxy and
7 trifluoromethoxy.

1 **Claim 8 (original):** A compound of claim 7, wherein Ar¹ is a phenyl group
2 having from 1 to 3 substituents selected from the group consisting of halogen, -OCF₃, -OH, -
3 O(C₁-C₆)alkyl, -CF₃, (C₁-C₈)alkyl and -NO₂; R¹ is a member selected from the group

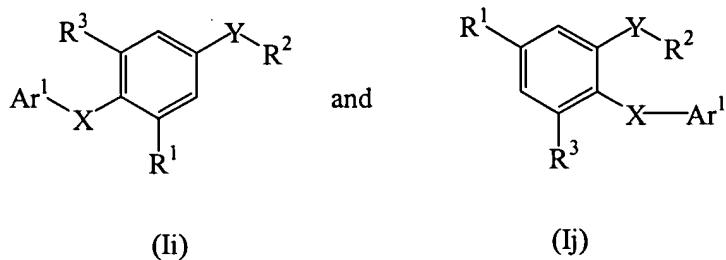
4 consisting of halogen, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl and (C₁-C₈)alkoxy; R² is a phenyl
5 group having from 0 to 3 substituents selected from the group consisting of halogen, -OCF₃,
6 -OH, -O(C₁-C₈)alkyl, -C(O)-(C₁-C₈)alkyl, -CN, -CF₃, (C₁-C₈)alkyl and -NH₂; and R³ is
7 selected from the group consisting of halogen, methoxy and trifluoromethoxy.

1 **Claim 9 (original):** A compound of claim 2, wherein Ar¹ is a substituted or
2 unsubstituted pyridyl group.

1 **Claim 10 (original):** A compound of claim 9, represented by a formula
2 selected from the group consisting of



1 **Claim 11 (original):** A compound of claim 10, represented by a formula
2 selected from the group consisting of



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(Ii)

(Ij)

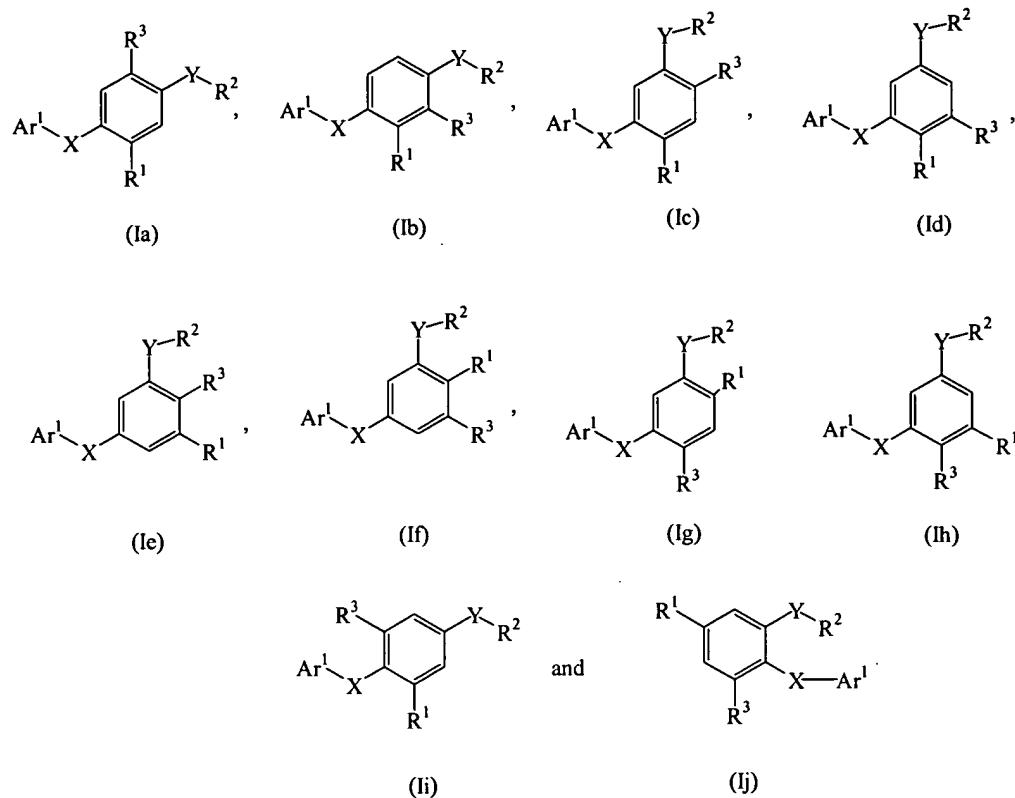
1 **Claim 12 (original):** A compound of claim 11, wherein
2 X is a divalent linkage selected from the group consisting of $-\text{CH}_2-$, $-\text{CH}(\text{CH}_3)-$, $-\text{O}-$,
3 $-\text{C}(\text{O})-$, $-\text{N}(\text{R}^{11})-$ and $-\text{S}-$;
4 wherein
5 R^{11} is a member selected from the group consisting of hydrogen and (C_1-
6 C_8)alkyl;
7 Y is a divalent linkage selected from the group consisting of $-\text{N}(\text{R}^{12})-\text{S}(\text{O})_2-$,
8 wherein
9 R^{12} is a member selected from the group consisting of hydrogen and (C_1-
10 C_8)alkyl;
11 R^1 is a member selected from the group consisting of hydrogen, halogen, (C_1-
12 C_8)alkyl, ($\text{C}_2\text{-C}_8$)heteroalkyl, ($\text{C}_1\text{-C}_8$)alkoxy, $-\text{C}(\text{O})\text{R}^{14}$, $-\text{CO}_2\text{R}^{14}$,
13 $-\text{C}(\text{O})\text{NR}^{15}\text{R}^{16}$, $-\text{S}(\text{O})_{\text{p}}\text{-R}^{14}$, $-\text{S}(\text{O})_{\text{q}}\text{-NR}^{15}\text{R}^{16}$, $-\text{O-C}(\text{O})\text{-R}^{17}$, and $-\text{N}(\text{R}^{14})\text{-C}(\text{O})\text{-R}^{17}$;
14 wherein
15 R^{14} is a member selected from the group consisting of hydrogen, ($\text{C}_1\text{-C}_8$)alkyl, hetero($\text{C}_1\text{-C}_8$)alkyl, aryl and aryl($\text{C}_1\text{-C}_4$)alkyl;
16 R^{15} and R^{16} are members independently selected from the group consisting of
17 hydrogen, ($\text{C}_1\text{-C}_8$)alkyl and ($\text{C}_2\text{-C}_8$)heteroalkyl, or taken together with
18 the nitrogen to which each is attached form a 5-, 6- or 7-membered
19 ring;
20 R^{17} is a member selected from the group consisting of hydrogen, ($\text{C}_1\text{-C}_8$)alkyl
21 and ($\text{C}_2\text{-C}_8$)heteroalkyl;
22 the subscript p is an integer of from 0 to 2; and
23 the subscript q is 2; and
24 R^2 is a substituted or unsubstituted phenyl; and
25 R^3 is a member selected from the group consisting of halogen and ($\text{C}_1\text{-C}_8$)alkoxy.

1 **Claim 13 (original):** A compound of claim 12, wherein X is -O-, -NH- or -
2 S-; Y is -NH-SO₂-; R¹ is a member selected from the group consisting of halogen, (C₁-
3 C₈)alkyl, (C₂-C₈)heteroalkyl, (C₁-C₈)alkoxy, -C(O)R¹⁴, -CO₂R¹⁴, -C(O)NR¹⁵R¹⁶, -S(O)_p-R¹⁴
4 and -S(O)_q-NR¹⁵R¹⁶; R² is a phenyl group having from 0 to 3 substituents selected from the
5 group consisting of halogen, -OCF₃, -OH, -O(C₁-C₈)alkyl, -C(O)-(C₁-C₈)alkyl, -CN, -CF₃,
6 (C₁-C₈)alkyl and -NH₂; and R³ is selected from the group consisting of halogen, methoxy and
7 trifluoromethoxy.

1 **Claim 14 (original):** A compound of claim 13, wherein Ar¹ is a pyridyl
2 group having from 1 to 3 substituents selected from the group consisting of halogen, -OCF₃, -
3 OH, -O(C₁-C₆)alkyl, -CF₃, (C₁-C₈)alkyl and -NO₂; R¹ is a member selected from the group
4 consisting of halogen, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl and (C₁-C₈)alkoxy; R² is a phenyl
5 group having from 0 to 3 substituents selected from the group consisting of halogen, -OCF₃,
6 -OH, -O(C₁-C₈)alkyl, -C(O)-(C₁-C₈)alkyl, -CN, -CF₃, (C₁-C₈)alkyl and -NH₂; and R³ is
7 selected from the group consisting of halogen, methoxy and trifluoromethoxy.

1 **Claim 15 (original):** A compound of claim 2, wherein Ar¹ is a substituted or
2 unsubstituted naphthyl group.

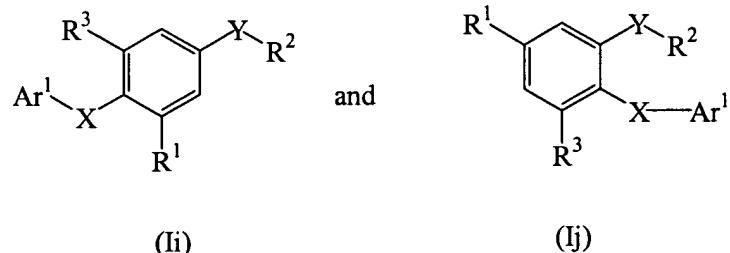
1 **Claim 16 (original):** A compound of claim 15, represented by a formula
2 selected from the group consisting of



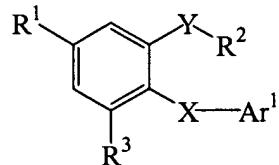
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1 **Claim 17 (original):** A compound of claim 16, represented by a formula
2 selected from the group consisting of

3



and



(Ij)

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1 **Claim 18 (original):** A compound of claim 17, wherein

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2 X is a divalent linkage selected from the group consisting of -CH₂-, -CH(CH₃)-, -O-,
3 -C(O)-, -N(R¹¹)- and -S-;

4

wherein

5

5 R¹¹ is a member selected from the group consisting of hydrogen and (C₁-
6 C₈)alkyl;

7 Y is a divalent linkage selected from the group consisting of -N(R¹²)-S(O)₂-,
8 wherein
9 R¹² is a member selected from the group consisting of hydrogen and (C₁-
10 C₈)alkyl;
11 R¹ is a member selected from the group consisting of hydrogen, halogen, (C₁-
12 C₈)alkyl, (C₂-C₈)heteroalkyl, (C₁-C₈)alkoxy, -C(O)R¹⁴, -CO₂R¹⁴,
13 -C(O)NR¹⁵R¹⁶, -S(O)_p-R¹⁴, -S(O)_q-NR¹⁵R¹⁶, -O-C(O)-R¹⁷, and -N(R¹⁴)-C(O)-
14 R¹⁷;
15 wherein
16 R¹⁴ is a member selected from the group consisting of hydrogen, (C₁-
17 C₈)alkyl, hetero(C₁-C₈)alkyl, aryl and aryl(C₁-C₄)alkyl;
18 R¹⁵ and R¹⁶ are members independently selected from the group consisting of
19 hydrogen, (C₁-C₈)alkyl and (C₂-C₈)heteroalkyl, or taken together with
20 the nitrogen to which each is attached form a 5-, 6- or 7-membered
21 ring;
22 R¹⁷ is a member selected from the group consisting of hydrogen, (C₁-C₈)alkyl
23 and (C₂-C₈)heteroalkyl;
24 the subscript p is an integer of from 0 to 2; and
25 the subscript q is 2; and
26 R² is a substituted or unsubstituted phenyl; and
27 R³ is a member selected from the group consisting of halogen and (C₁-C₈)alkoxy.

1 **Claim 19 (original):** A compound of claim 18, wherein X is -O-, -NH- or -
2 S-; Y is -NH-SO₂-; R¹ is a member selected from the group consisting of halogen, (C₁-
3 C₈)alkyl, (C₂-C₈)heteroalkyl, (C₁-C₈)alkoxy, -C(O)R¹⁴, -CO₂R¹⁴, -C(O)NR¹⁵R¹⁶, -S(O)_p-R¹⁴
4 and -S(O)_q-NR¹⁵R¹⁶; R² is a phenyl group having from 0 to 3 substitutents selected from the
5 group consisting of halogen, -OCF₃, -OH, -O(C₁-C₈)alkyl, -C(O)-(C₁-C₈)alkyl, -CN, -CF₃,
6 (C₁-C₈)alkyl and -NH₂; and R³ is selected from the group consisting of halogen, methoxy and
7 trifluoromethoxy.

Appl. No. *Filed herewith*
Amdt. dated March 25, 2004
Preliminary Amendment
Attorney Docket No. 018781-002730US

PATENT

Claim 20 (original): A compound of claim 19, wherein Ar¹ is a naphthyl group having from 1 to 3 substituents selected from the group consisting of halogen, -OCF₃, -OH, -O(C₁-C₆)alkyl, -CF₃, (C₁-C₈)alkyl and -NO₂; R¹ is a member selected from the group consisting of halogen, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl and (C₁-C₈)alkoxy; R² is a phenyl group having from 0 to 3 substituents selected from the group consisting of halogen, -OCF₃, -OH, -O(C₁-C₈)alkyl, -C(O)-(C₁-C₈)alkyl, -CN, -CF₃, (C₁-C₈)alkyl and -NH₂; and R³ is selected from the group consisting of halogen, methoxy and trifluoromethoxy.

Claims 21-54 (canceled).